

DETERT RESERVOIR QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

1961 IV SW
(JERICHO VALLEY)

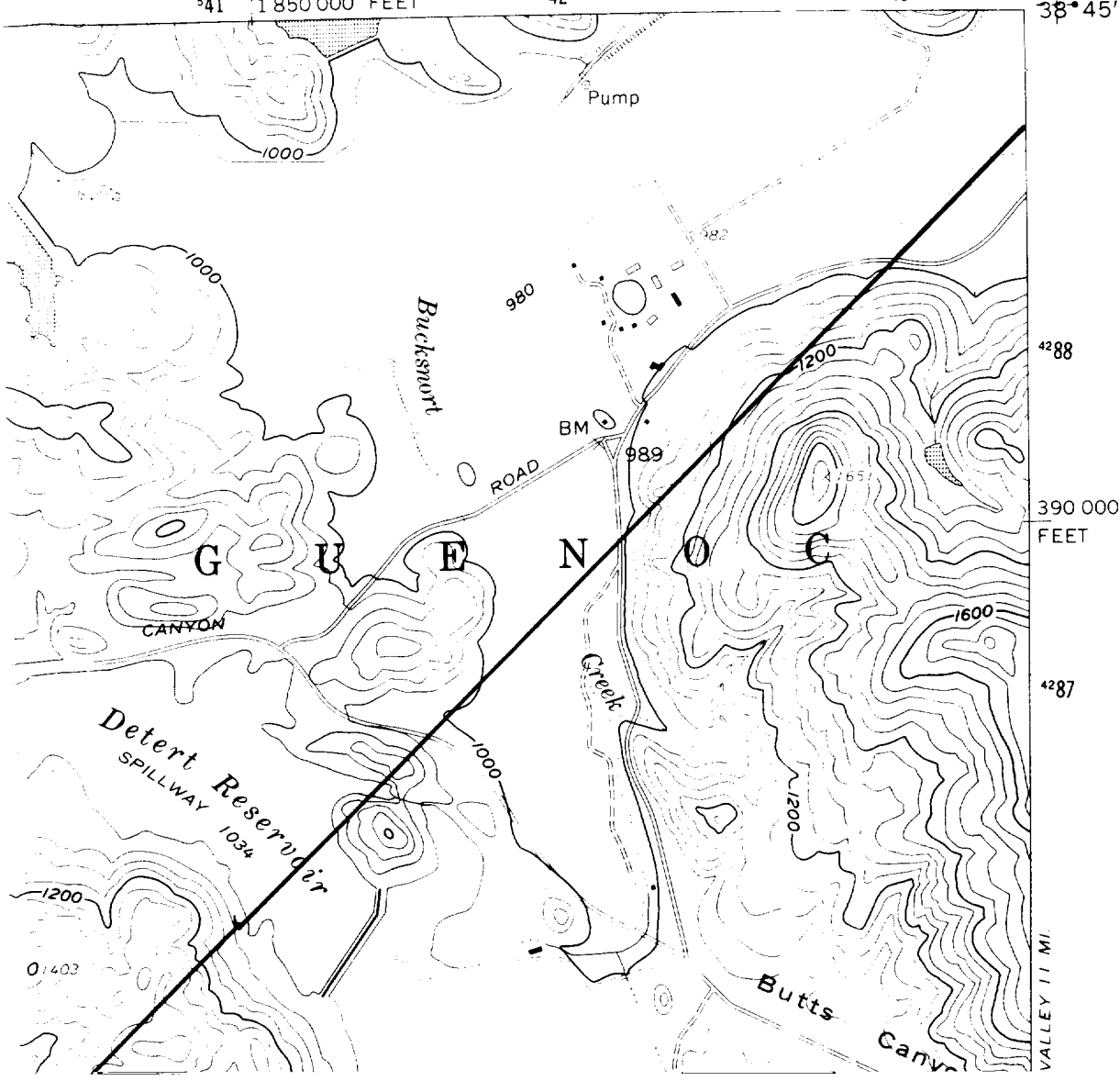
1850 000 FEET

542

543

122° 30'

38° 45'



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

6 35'

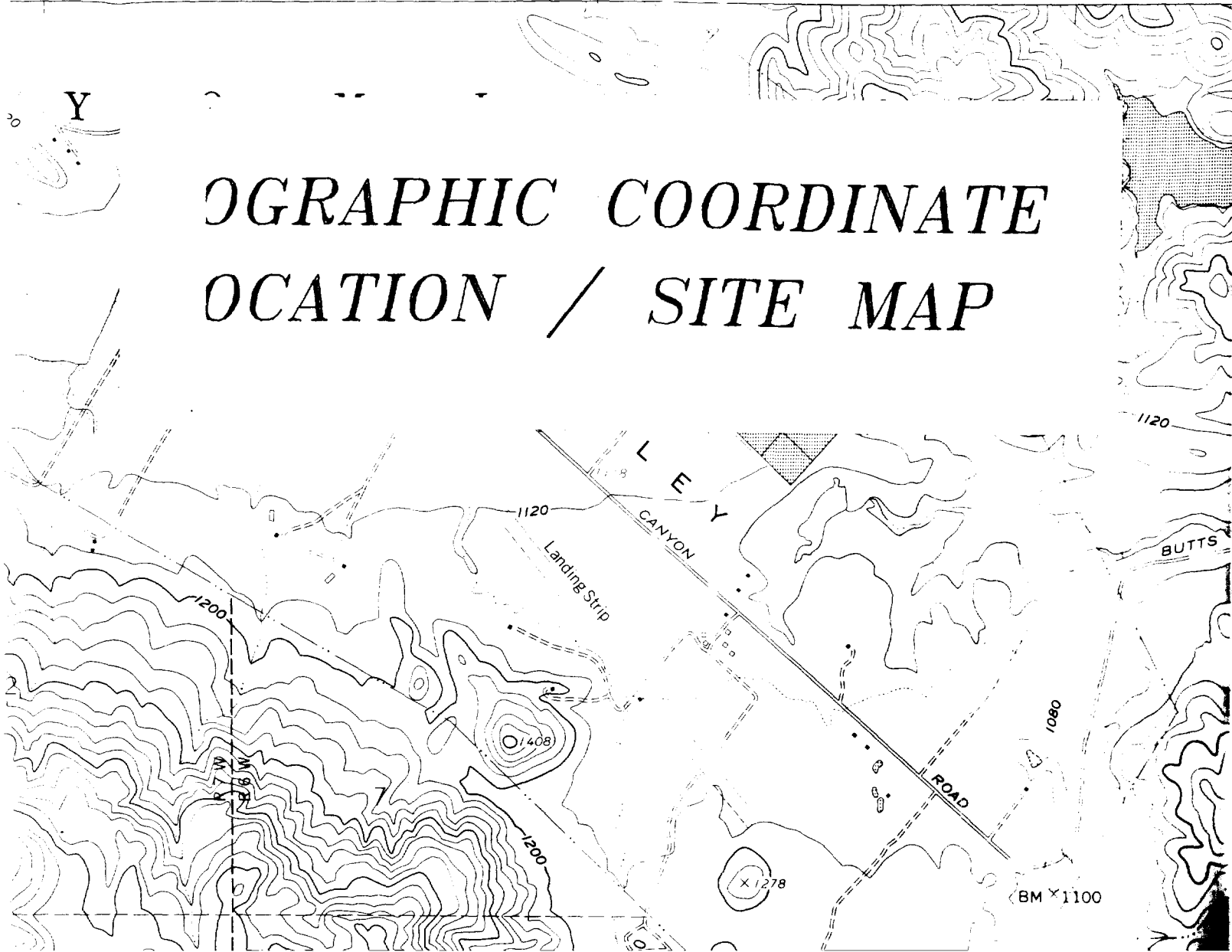
537

1461 1 SE
(MIDDLETOWN)

539

32'30" 540

TOPOGRAPHIC COORDINATE
LOCATION / SITE MAP



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1461 (SW
RING PINES)

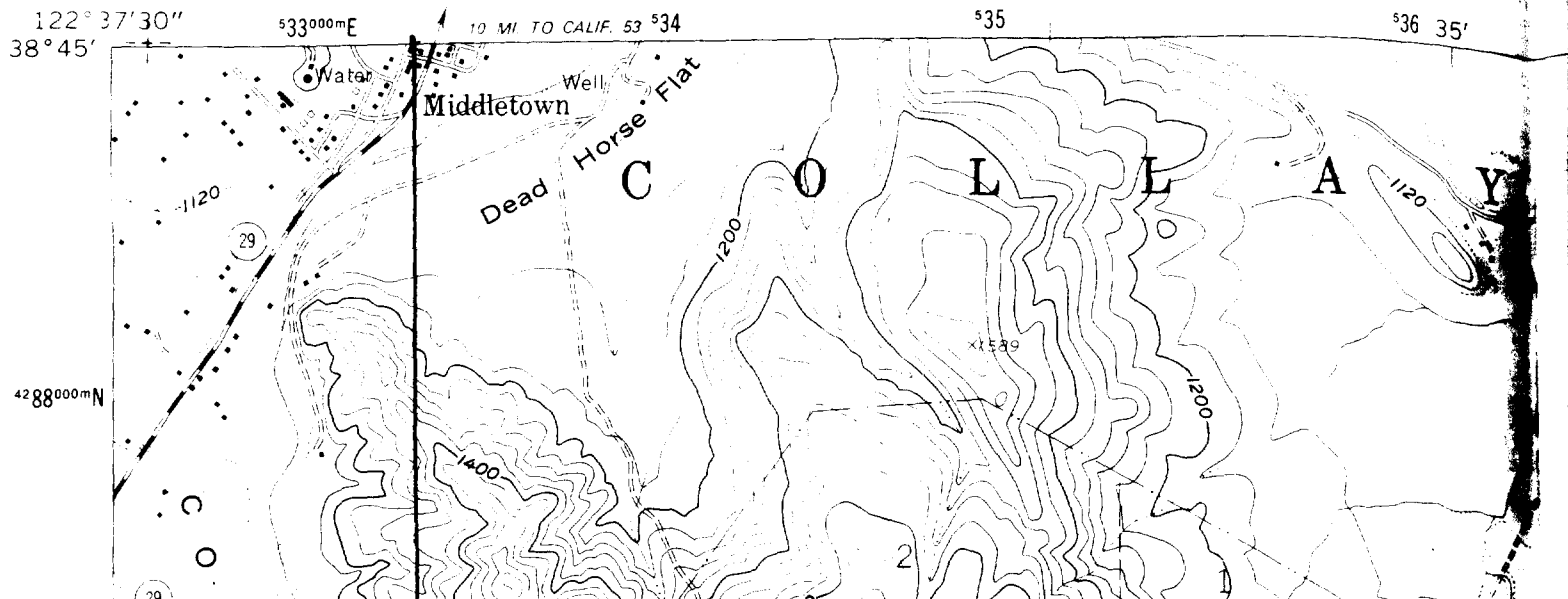


EXHIBIT E-1 C

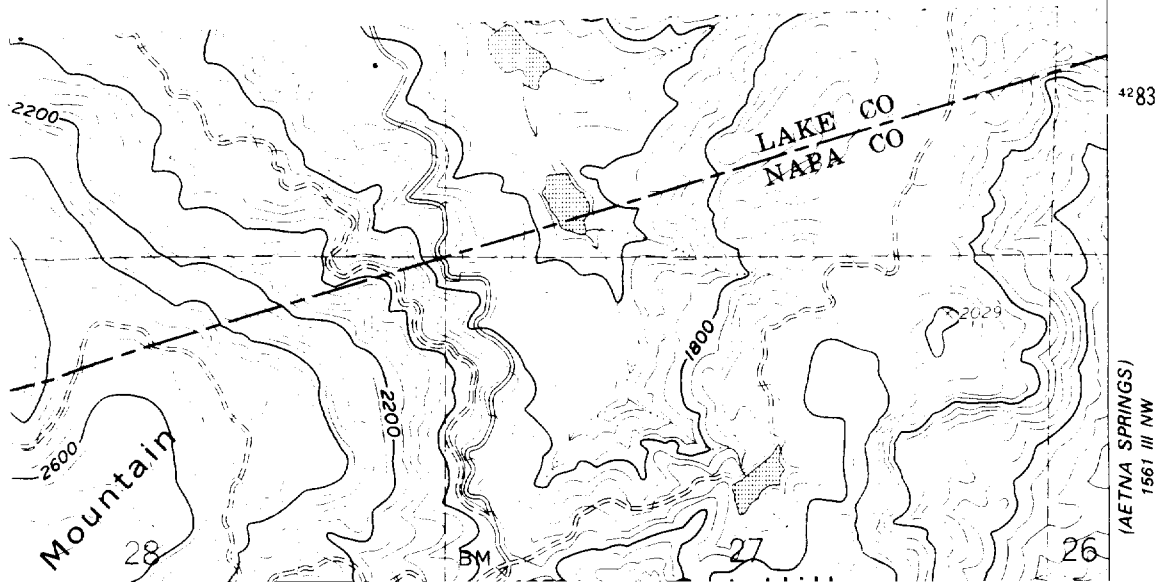
GRAPHIC SITE LOCATION MAP

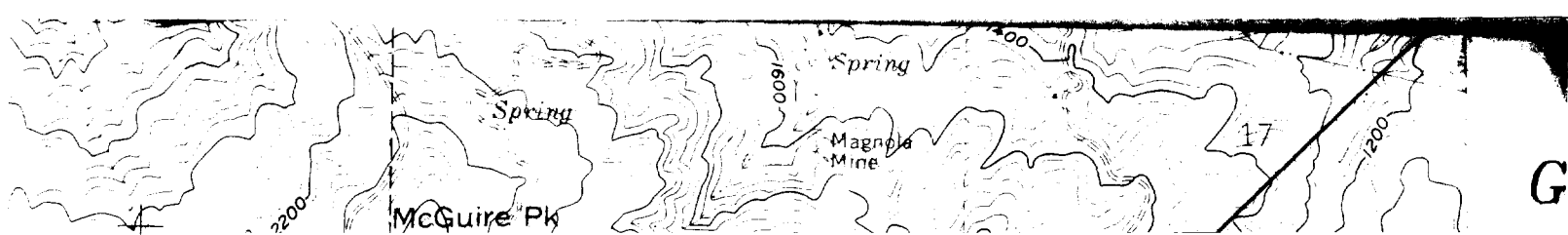
MOONBEAM , INC.

CHANNEL 265A / 100.9 mHz.

CALISTOGA , CALIFORNIA

NOVEMBER 1991

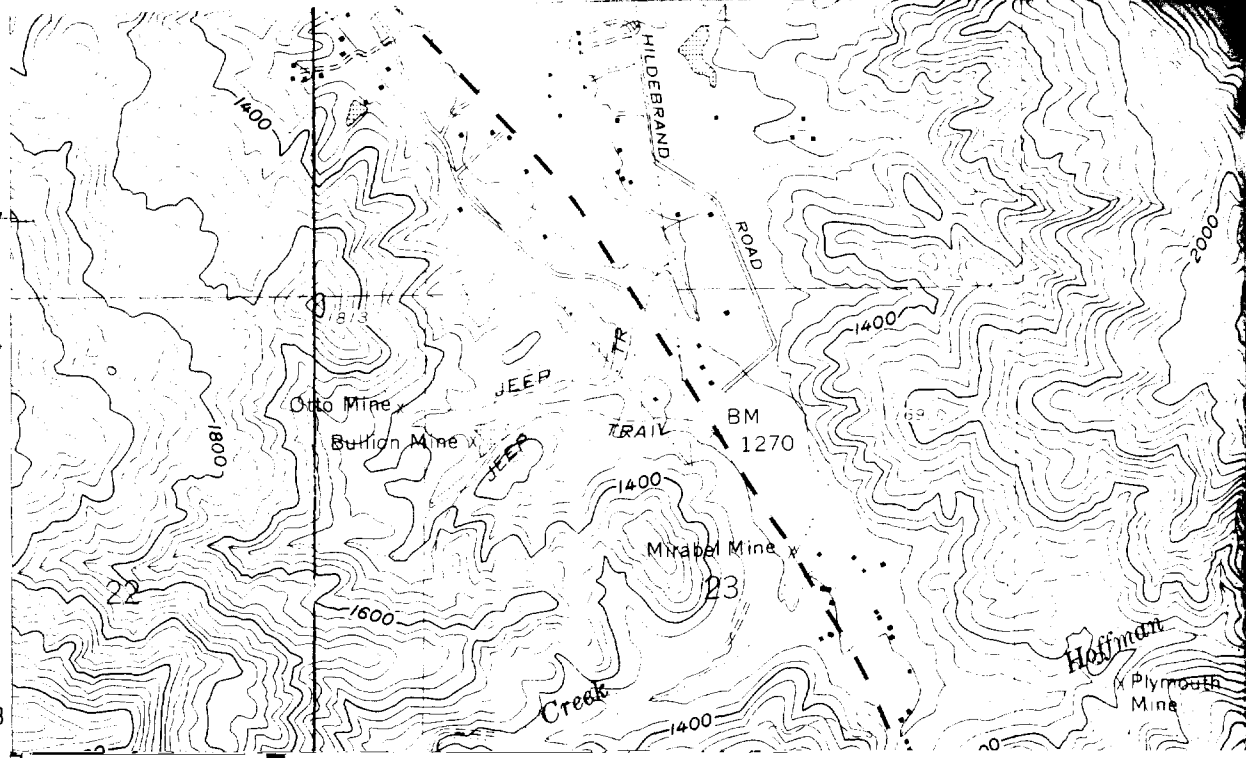




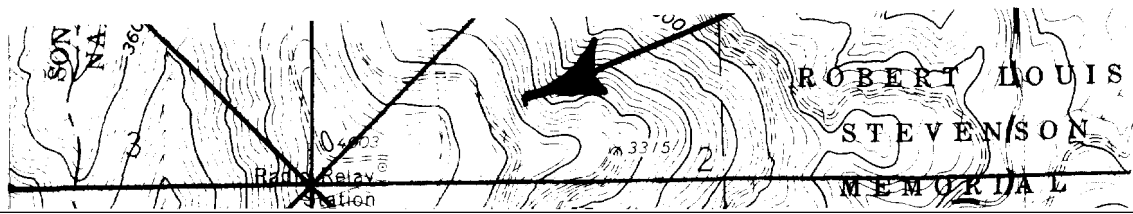
42°30'N

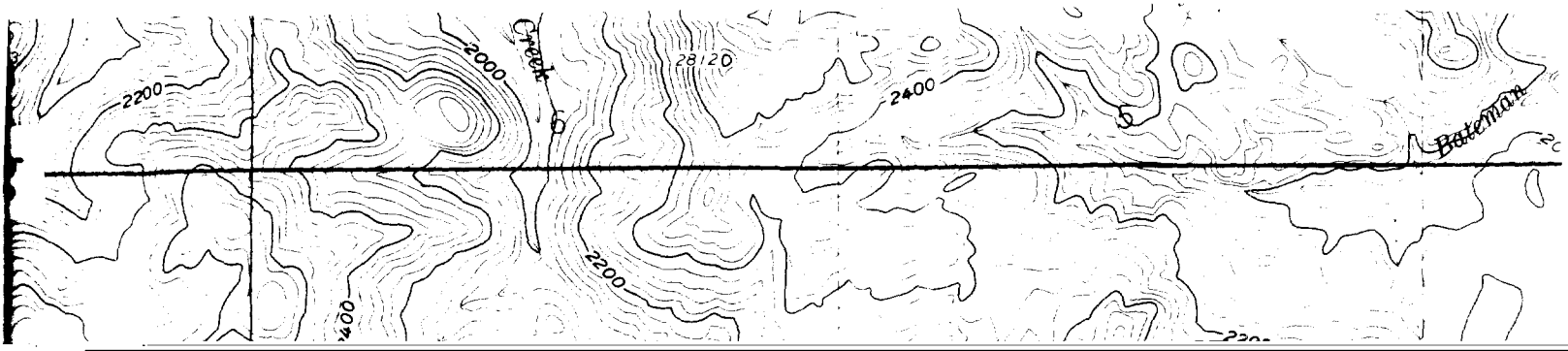
4284

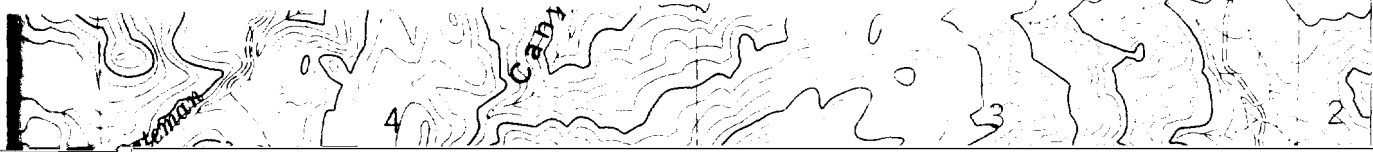
4283



270deg

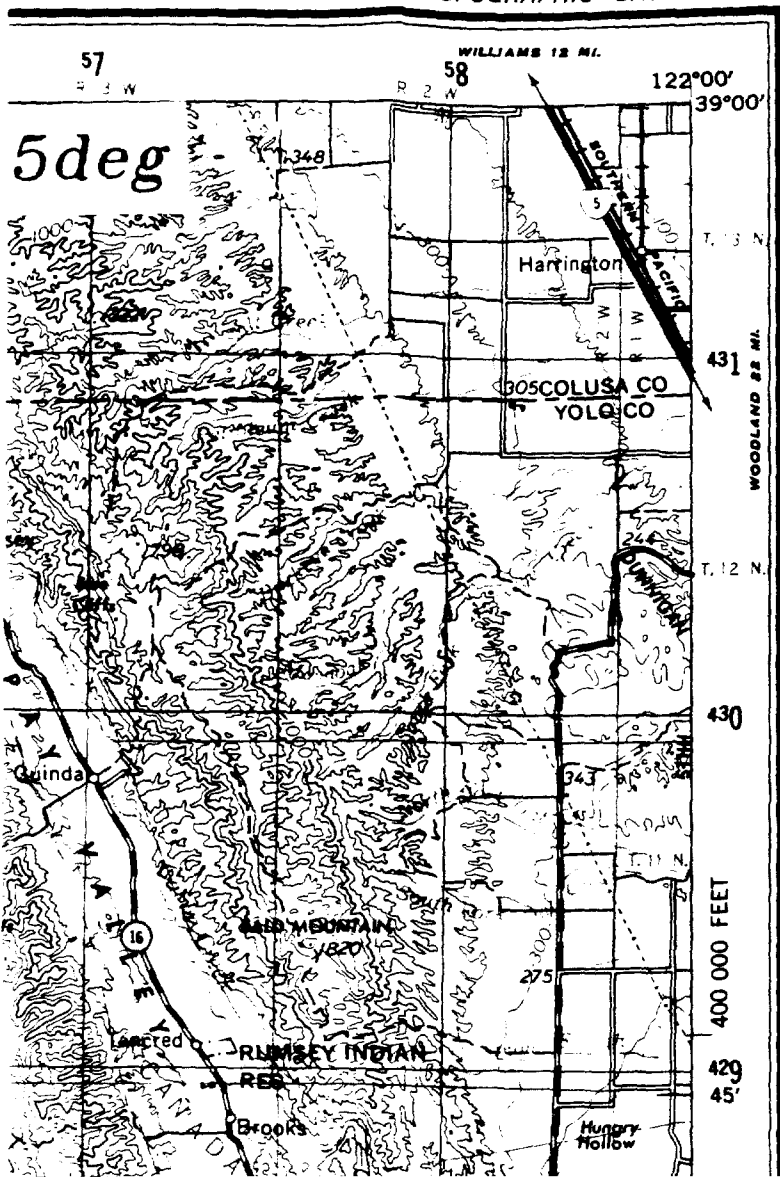






NJ 10-5

TOPOGRAPHIC-BATHYMETRIC



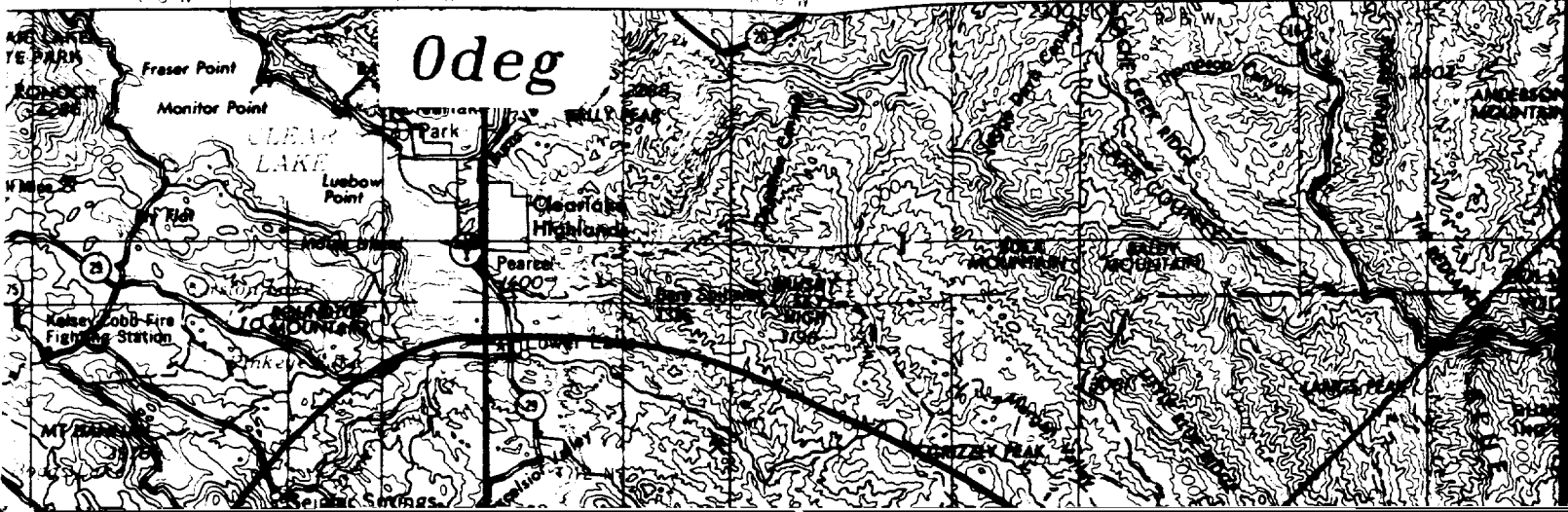
52 45' R 3 W

53 R 4 W

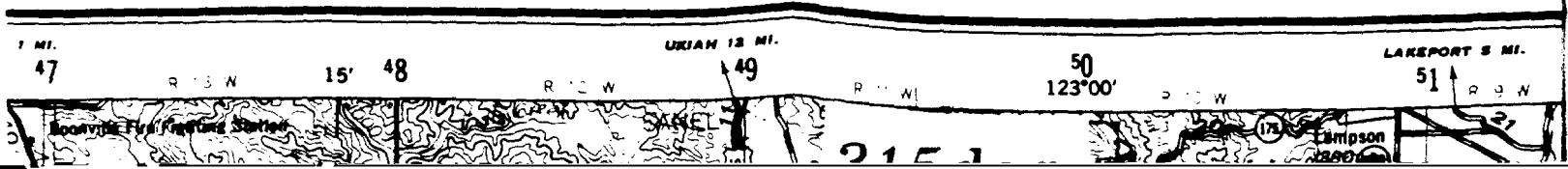
54 R 5 W 30'

55 1 MI. TO CALIFORNIA 20
1 900 000
FEET

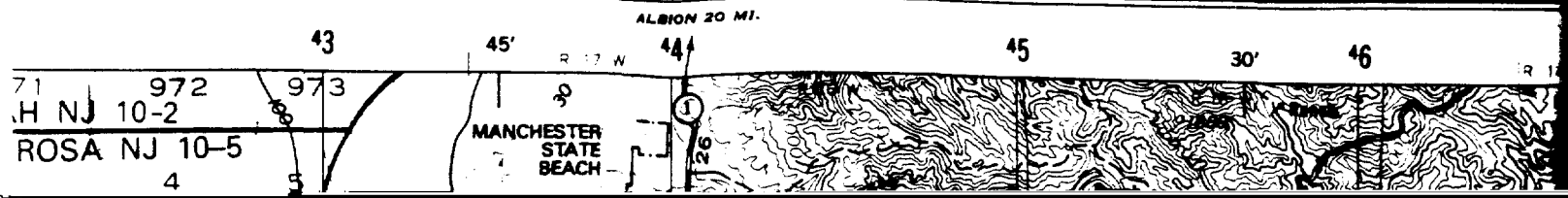
56 R 6 N



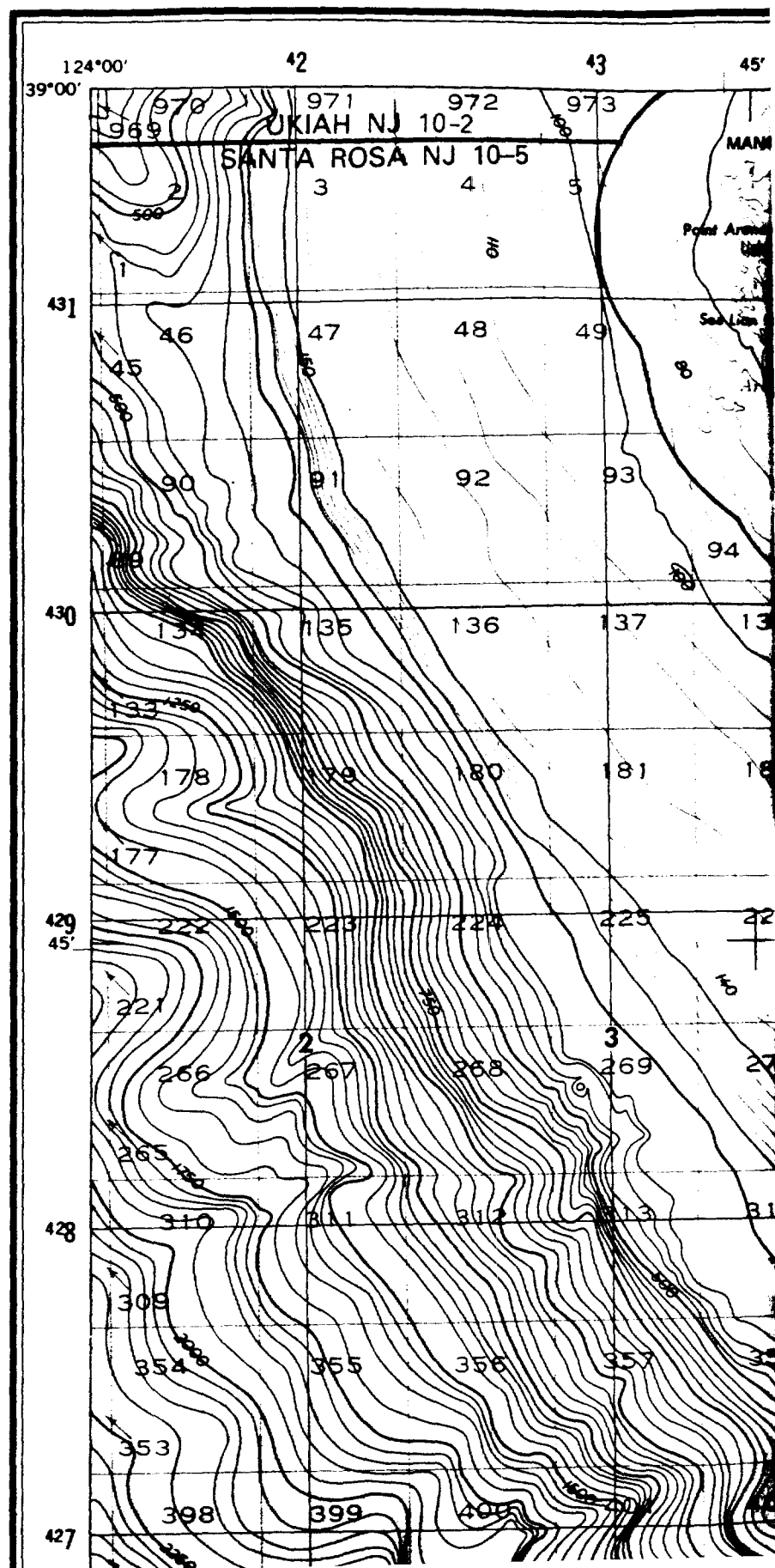
SANTA ROSA

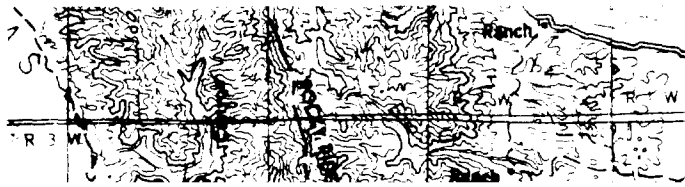


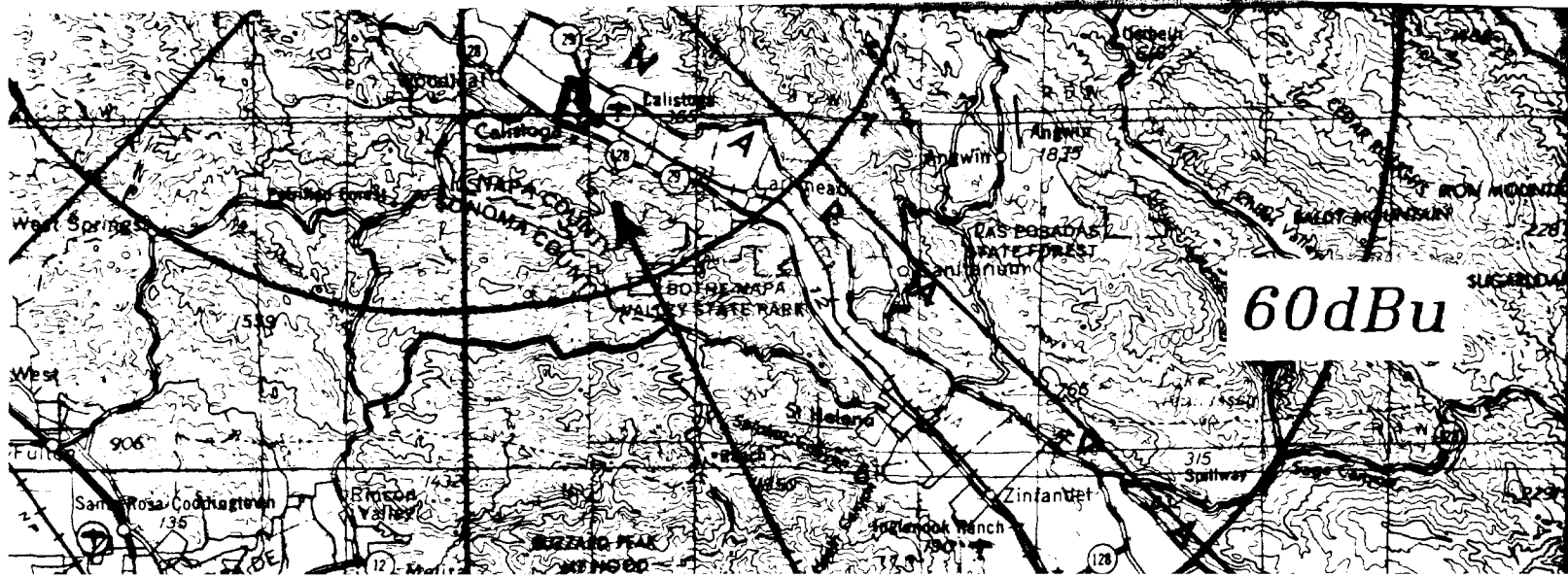
ED STATES 1:250,000

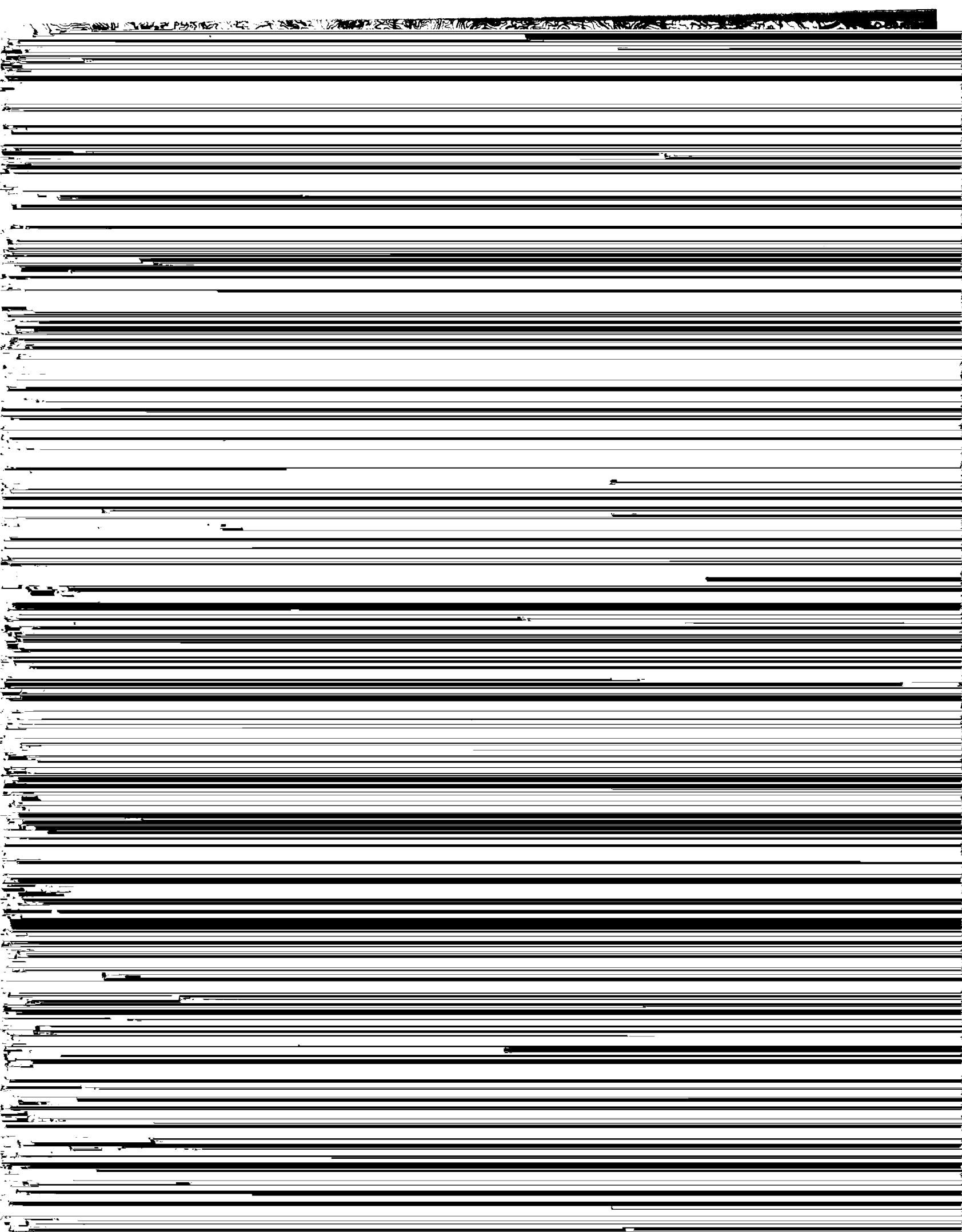


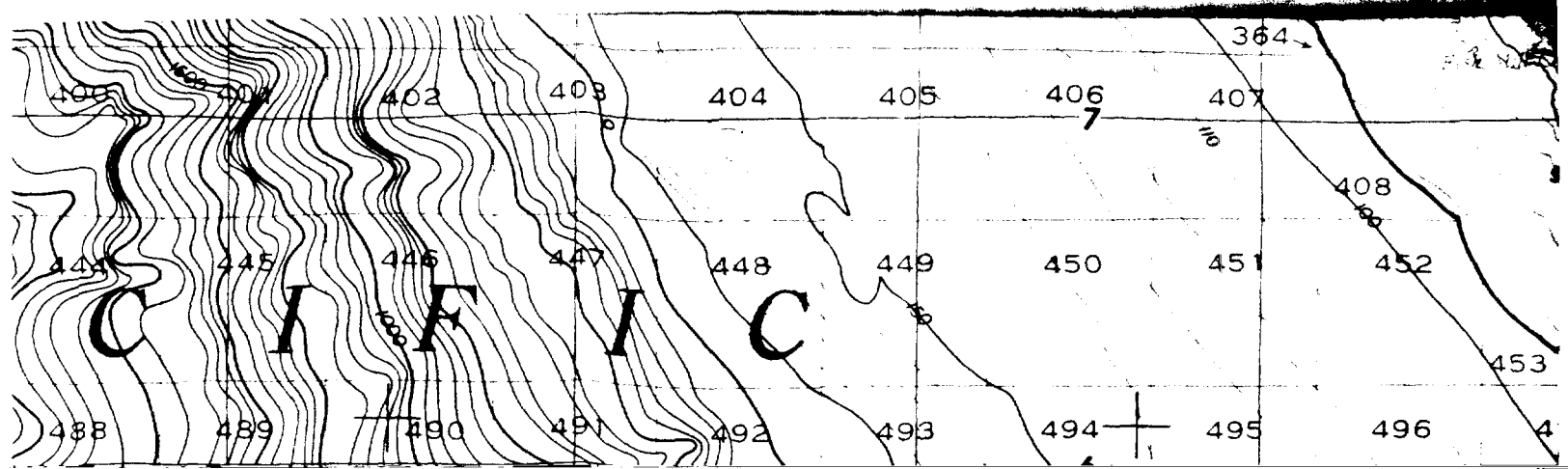
WESTERN UNITED STATES 1:250,000

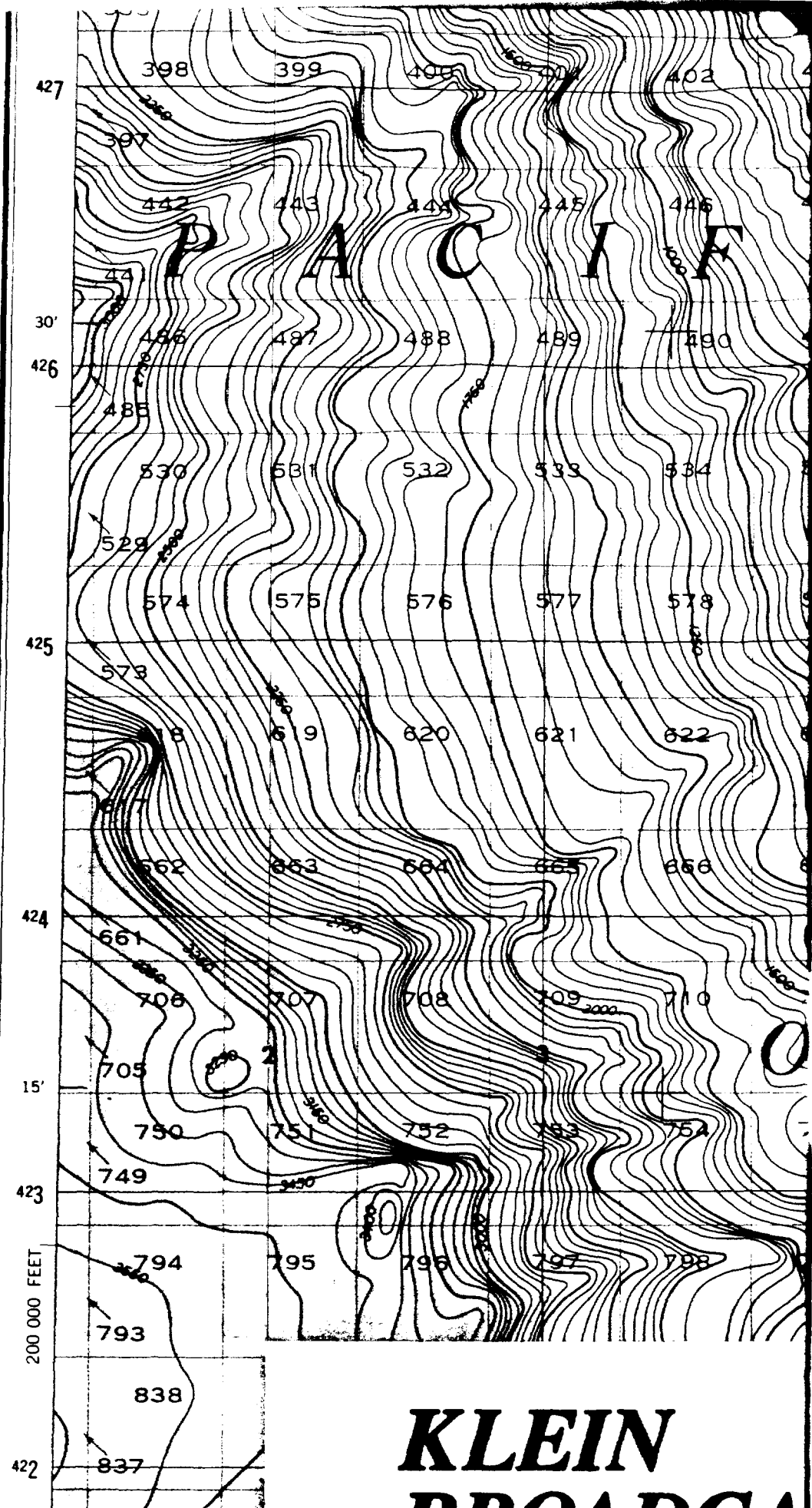




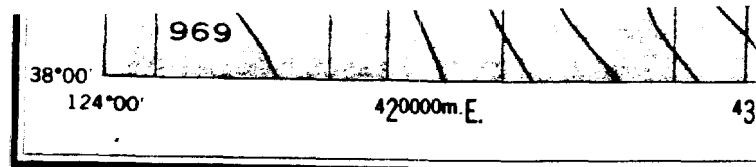








KLEIN
BROADWAY



PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Base map prepared by Defense Mapping Agency from 1:24,000, 1:25,000, and 1:50,000-scale maps dated 1942-1955. Field checked 1958. Revised by the U. S. Geological Survey 1970.

Bathymetry compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. Bathymetric survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used at the date of the survey. This information is not intended for navigational purposes.

Mean lower low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated aerial photographs.

Offshore protraction survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protraction Diagrams dated November 2, 1976. The protractions on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protraction Diagrams available from the Bureau of Land Management.

Transverse Mercator Projection. 10,000-meter Universal Transverse Mercator grid, zone 10. 100,000-foot grid ticks based on California coordinate system, zone 2. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 17 meters north and 96 meters east.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

There may be private inholdings within the boundaries of the National or State reservations shown on this map.

000 44 45 30' 46 47 15' 48

5

ROADS

Primary, all-weather, hard surface

Secondary, all-weather, hard surface

Light-duty, all-weather, hard or improved surface

Fair or dry weather, unimproved surface

Trail ____

Interchange

Route markers: Interstate, U.S., State

Mine

Power line

Landmark: School; Church; Other.

Spot elevation in feet

Marsh or swamp

Approximate shoreline

Sounding datum line

uncovers.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

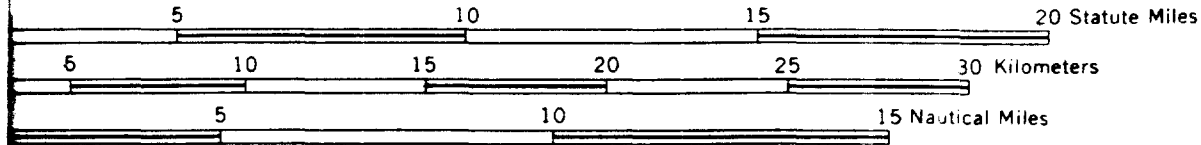
LAND GRANT BOUNDARY _____

HOVEN & CO., INC.
1801 16th ST.
BAKERSFIELD, CA. 93301
(805) 327-0021



180de

Scale 1:250,000



HYDRO

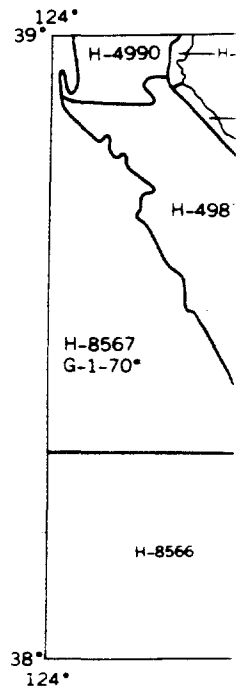
CONTOUR INTERVAL 200 FEET
 SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 CONTOUR INTERVAL 10 METERS TO THE 200 METER DEPTH,
 50 METERS TO MAXIMUM DEPTH
 DATUM: MEAN LOWER LOW WATER
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

VARIATION FOR 1980 IS 17° (300 MILS) EASTERLY OVER THE ENTIRE AREA

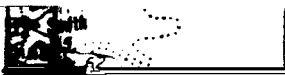
LOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

SURVEY NUMBER
H-4974
H-4985
H-4986
H-4987
H-4988
H-4990
H-4993
H-5094
H-5095
H-5096
H-5097
H-5098
H-5162
H-5163
H-5164
H-5169
H-5171
H-7867
H-7897
H-7898
H-7899
H-7900
H-8353
H-8354
H-8355
H-8356
H-8566
H-8567
G-1-70*

*(G.



Photographic
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 Atmospheric A



MA
NTRA C
10
Pinole Point

Pinnacle

Hercules



834
FRANK

020
MARTINEZ



RTX
HHL



KLEIN BROADCAST ENGINEERING

NOVEMBER 1991

EXHIBIT E-2
FCC FORM 301 APPLICATION
FOR FM CONSTRUCTION PERMIT
MOONBEAM, INC.
N E W (FM)
FM CHANNEL 265 A / 100.9 mHz.
CALISTOGA , CALIFORNIA

ADVERSE AFFECT RESPONSIBILITY STATEMENT

The proposed site is located in a rural unpopulated mountainous area. The site is located atop the south peak of Mount St. Helena , 9.53 kilometers northwest of Calistoga, California, the proposed community of license, on a bearing of 341 degrees true.

The proposed one (1) bay FM antenna is to be side mounted, on an existing mono pole tower as proposed in this application. The proposed radiation center is to be at the 21 meter level AGL. The exiting mono pole tower is 24 meters AGL. The tower is that of several low power commercial two-way stations and a low power FM booster station for FM Broadcast Station KCLB.

There are several other stations existing or proposed within 10 kilometers of the proposed site. The applicant has filed a FAA Form 7460-1 with the Federal Aviation Administration and expects there will be no problem found with electromagnetic compatibility or air hazard. A copy of the FAA Form 7460-1, as filed, is included with this application and is marked Engineering Exhibit E-15. There are no AM Standard Broadcast Stations within 10.0 kilometers of the proposed site.

The applicant expects no adverse affect as a result of the construction of the facilities proposed in this application. The applicant expects no adverse affect noted to any other FCC licensed or proposed services, as the existing tower structure proposed as the antenna support has existed on it's present location for many years without any interference to existing stations in the area.

KLEIN BROADCAST ENGINEERING

redacted 12/1/81 12:00 PM 12/1/81 12:00 PM

EXHIBIT E-2 cont'd page two: MOONBEAM, INC.

Therefore, the applicant expects no adverse affect to any other station within 10.0 kilometers of the proposed site.

A computer printout of all stations within 10.0 kilometers of the proposed site is listed as Exhibit E-2A of this application. The applicant expects no adverse affect of any kind to any existing or proposed station, facility, or allocation within 10.0 kilometers of the proposed site for the proposed facilities as noted.

The applicant, Moonbeam, Inc., accepts the responsibility for any adverse affect to any other FCC licensed services caused by the operation of the facilities proposed in this application. No adverse affect to any station is expected as noted. No intermodulation interference of any kind is expected, except as noted. However, should the proposed new facilities cause such interference, the applicant will cooperate to the fullest extent to eliminate the problem. The applicant accepts the responsibility for any adverse affect the proposed operation of the facilities proposed in this application causes and will work with the affected party to eliminate the adverse affect at the applicant's expense. This assures the Commission compliance with Section 73.317 of the FCC Rules and Regulations, as amended to date as they apply.

Exhibit E-2A included with this application shows all stations and airport landing areas within 10.0 kilometers of the proposed site.